

## 承 认 书

### SPECIFICATION FOR APPROVAL

客 户 名 称: Customer	
客 户 料 号: Customer P/N	
客 户 型 号: Customer Model	
制 作 日 期: Date Code	2025-08-20
厂 商 名 称: Manufacturer	深圳市思博磁性元件有限公司
厂 商 型 号: Customer P/N	CMLW8040S4R7NST
版 本: R E V	A0

供 应 商 审 核 Confirmed By Ourself			客 户 承 认 Approved by Customer		
制作者 Producer	审核 Checked	批准 Approved	测试 TEST	审核 Checked	批准 Approved
Allen	Billy	Derek			
日期	2025-08-20		日期		

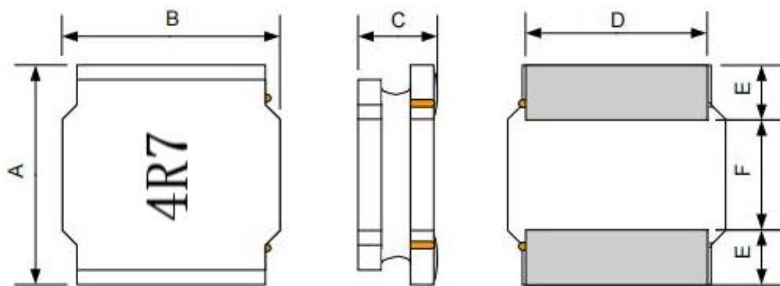
#### 备 注: Remark

- 在使用产品前, 用户必须确认此产品是否适用于自身设计, 思博仅保证产品符合此份承认书的规格。  
Before use, customer should confirm whether this product is suitable for their design, Cybermax only ensure products meet this specification.
- 本承认书的数据更改, 必须经双方确认, 任何一方单独修改无效。  
This specification data change must be confirmed by both parties, any individual modification is invalid.
- 如客户未回签承认书即下订单, 则视为承认此份承认书。  
If customer placed orders without signing back this specification, it is regarded as recognition.

[www.cybermaxtech.com](http://www.cybermaxtech.com)

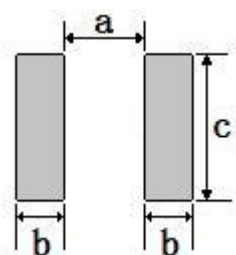
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### SHAPE & DIMENSION (UNIT:mm)



A	$8.0 \pm 0.3$
B	$8.0 \pm 0.3$
C	4.2 Max
D	$6.3 \pm 0.3$
E	$2.0 \pm 0.3$
F	$4.0 \pm 0.3$

### PAD LAYOUT(MM):



a Typ.	3.8
b Typ.	2.2
c Typ.	7.5

### ELECREICAL SCHEMATIC:

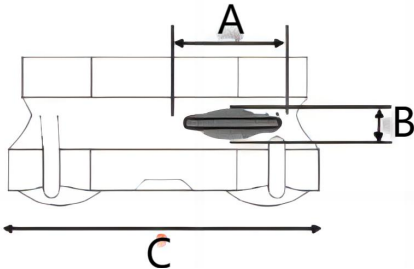

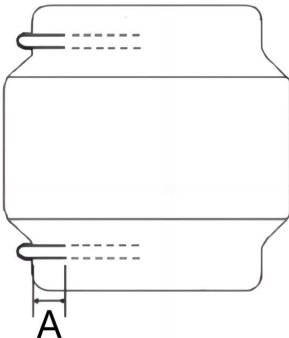
### ELECREICAL SPECIFICATION

MEAS. ITEM	SPEC.				TEST FREQ.	CONDITIONS
<b>L</b>	<b>4.7</b>	<b>μH</b>	<b>±</b>	<b>30%</b>	<b>100KHz/1V</b>	<b>Ta=25°C</b>
<b>DCR</b>	<b>20.0</b>	<b>mΩ</b>	<b>±</b>	<b>30%</b>		<b>Ta=25°C</b>
<b>Isat</b>	<b>5.9</b>	<b>A</b>	<b>Max.</b>		<b>100KHz/1V</b>	<b>ΔL/L ≤ 30%</b>
<b>Irms</b>	<b>4.0</b>	<b>A</b>	<b>Max.</b>		<b>100KHz/1V</b>	<b>ΔT ≤ 40°C</b>

### GENERAL SPECIFICATION

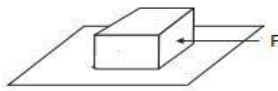
Electrical specifications :	at 25°C
Operation Temperature:	-40~+125°C
Storage Temperature:	-40°C ~ +85°C and RH 70% (Max.)

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<p><b>Appearance of the standard</b></p>	
<p><b>1.Void appearance tolerance limit</b></p>	
	<p>Size of voids occurring to coating resin is specified below.</p> <p>①Width direction(dimension A):</p> <p>②Length direction(dimension B):Dimension b is not specified</p> <p>③When total area of voids (including one exposing coil) occurring to each sides is not greater than 50% of coating resin area,that is acceptable.</p>
<p><b>2.External appearance criterion for exposed w</b></p>	
	<p>Exposed end of the winding wire at the secondary side should be 1.25mm and below.</p>
	<p>Exposed end of the winding wire at the secondary side should be 1.25mm and below.</p> <p>①Acceptable when <math>A \leq 0.3\text{mm}</math></p> <p>②Nonconforming when <math>A &gt; 0.3\text{mm}</math></p>

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### RELIABILITY TEST

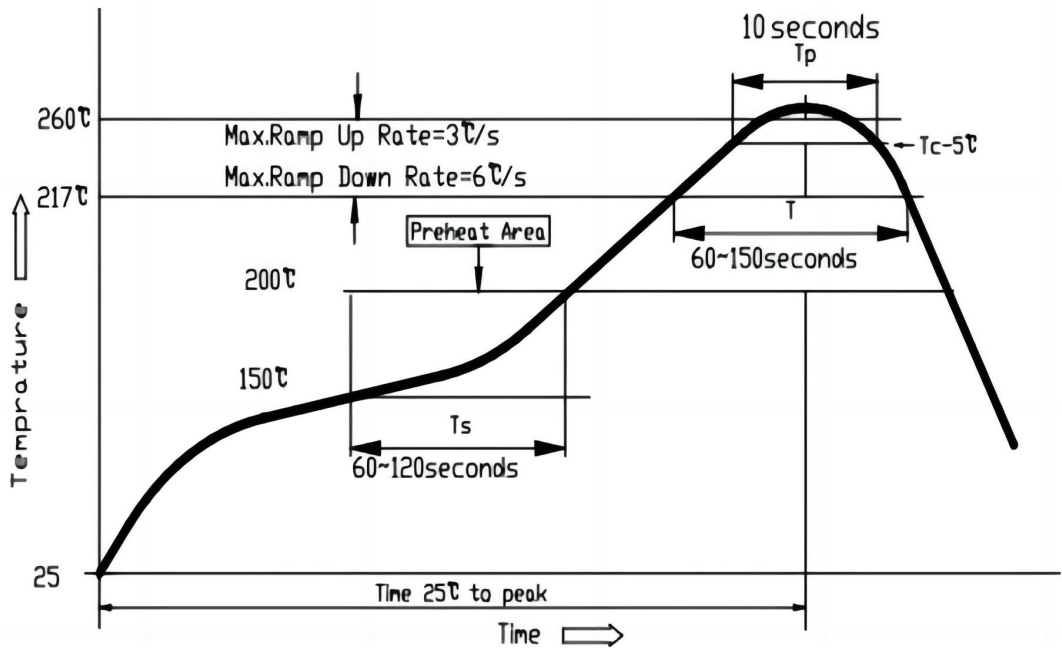
TEST ITEM	SPECIFICATION	TEST CONDITION
High temperature Storage test	1. No significant defects in appearance. 2. $\Delta L/L \leq 10\%$ 3. $\Delta DCR/DCR \leq 10\%$	Temperature: $12^{\circ}\text{C} \pm 5^{\circ}\text{C}$ (N: Follow the product specification for the setting.) Time : $96 \pm 2$ hours Place the samples for one hour at room temperature and test them within two hours
Low temperature Storage test	1. No significant defects in appearance. 2. $\Delta L/L \leq 10\%$ 3. $\Delta DCR/DCR \leq 10\%$	Temperature: $-40^{\circ}\text{C} \pm 5^{\circ}\text{C}$ (M: Follow the product specification for the setting) Time : $96 \pm 2$ hours Place the samples for one hour at room temperature and test them within two hours.
Humidity test	1. No significant defects in appearance. 2. $\Delta L/L \leq 10\%$ 3. $\Delta DCR/DCR \leq 10\%$	Temperature: $40 \pm 2^{\circ}\text{C}$ , Humidity: $93 \pm 3\% \text{RH}$ Time : $96 \pm 2$ hours Place the samples for one hour at room temperature and test them within two hours
Solderability test	Terminals must have 95% minimum solder coverage	1. Dip pads in flux then dip in solder pot at $245 \pm 5^{\circ}\text{C}$ for 5 second. 2. Solder: lead free 3. Flux: rosin flux
Heat endurance of flow soldering	1. No significant defects in appearance. 2. $\Delta L/L \leq 10\%$ 3. $\Delta DCR/DCR \leq 10\%$	1. Refer to the above reflow curve and go through the reflow for twice. 2. The peak temperature : $260 \pm 0/-5^{\circ}\text{C}$
Vibration test	1. No significant defects in appearance. 2. No short and no open.	Apply frequency 10~55~10Hz and amplitude 1.5mm, 1 min/cycle in X Y and Z direction for 2 hours each. (total 6 hours)
Terminal strength push test	1. Applied force: 10N Duration: 10sec 2. Solder paste thickness: 0.12mm 3. Meet the above requirements without any loose terminal	older the test samples to the PCB through $245^{\circ}\text{C}$ reflow, apply a standard force on the side of the test samples for 10 seconds. 

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**SOLDERING CONDITIONS**

Applicable soldering process to the products is refl.

- Soldering Materials
  - Solder:Sn-3.0Ag-0.5Cu
  - Flux:Use rosin-based flux,but not strongly acidic flux (with xhlorine exceeding 0.2wt%).Do not use water-soluble flux
- Reflow Soldering Profile



- Soldering Iron
 

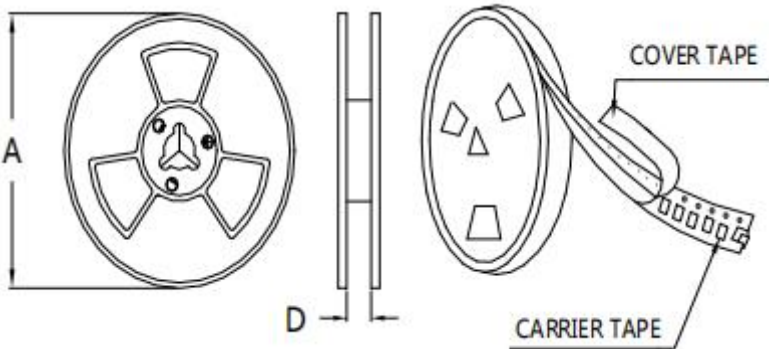
Reworking with electric soldering iron must preheating at 150°C for 1 minute is required,and do not directly touch the core with the tip

  - ① Temperature of soldering iron tip:350°C;
  - ② Soldering iron power output:≤30W;
  - ③ Diameter of soldering iron end:≤1.0mm;
  - ④ Soldering time:<3 s

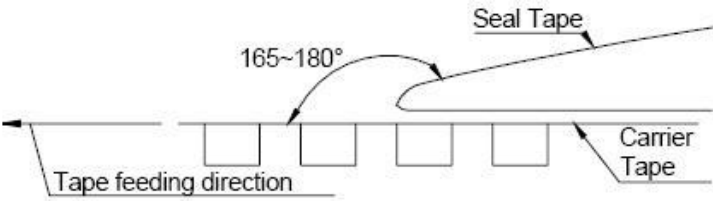


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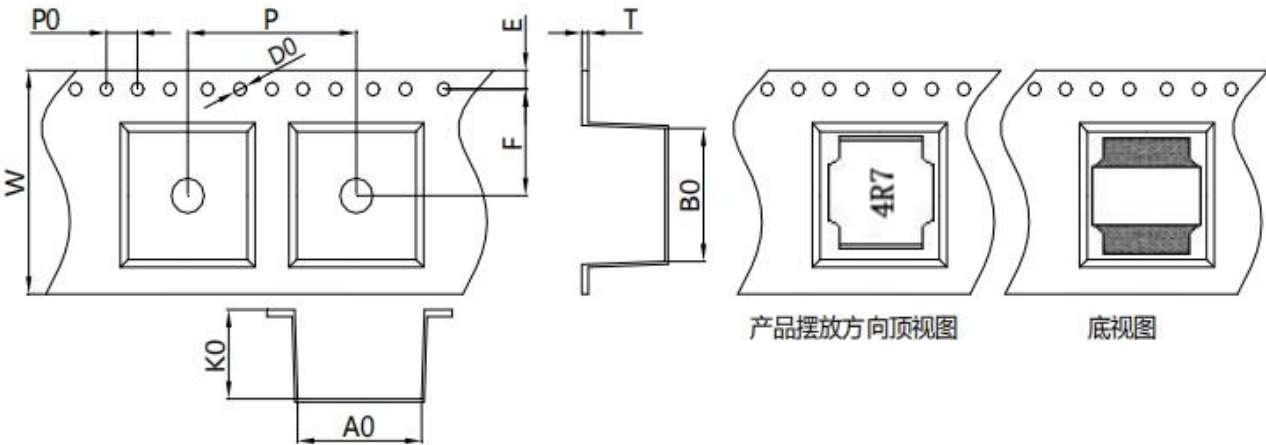
PACKAGING



A	$\Phi 330 \pm 2.0$
D	16.5



Peel-off strength:10 ~ 100gf. Peel-off angle:165°-180° Peel-off speed:300mm/min.



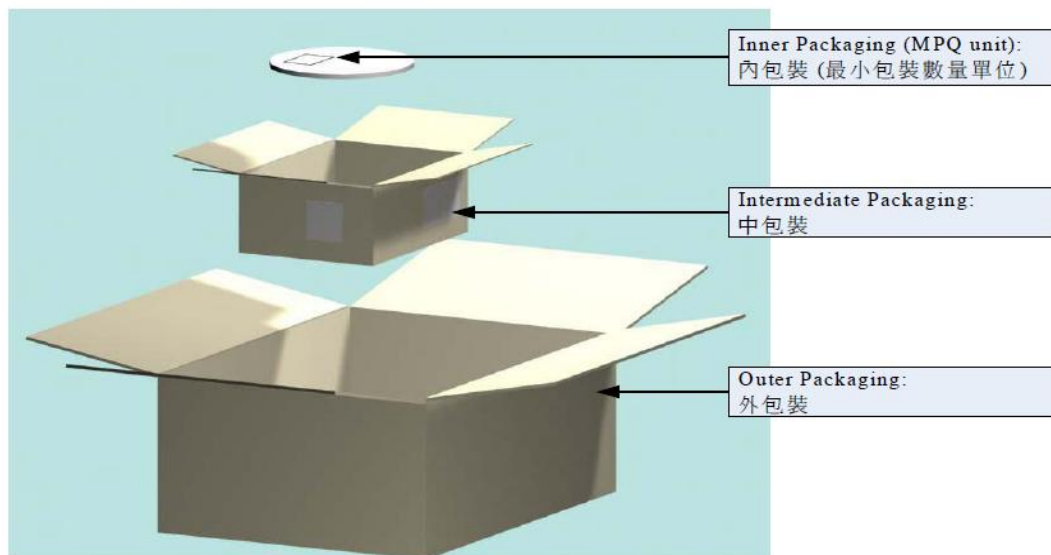
产品摆放方向顶视图 底视图

W	A0	B0	K0	P	T	E	F	D0	P0
16.0 ±0.3	8.4 ±0.2	8.4 ±0.2	4.2 ±0.2	12.0 ±0.3	0.30 ±0.1	1.75 ±0.1	7.5 ±0.1	1.5 ±0.1	4.0 ±0.2

Standard Packing Quantity: 1000 pcs/reel

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### PACKAGING



- 1.1 外箱: 36\*36\*23 cm 一箱裝 2 內箱
  - 1.2 內箱: 33.5\*33.5\*9 cm 一箱裝 5 卷制品
  - 1.3 外箱材質: A 三 B
  - 1.4 內箱材質: B=B
  - 1.5 每一卷制品用一只静电袋包裝
  - 1.6 每一静电袋內放一只袋干燥剂
  - 1.7 每一卷上面依标签样式的要求贴上标签明细
  - 1.8 出货内外箱贴上该箱內实际內容明细
  - 1.9 出货标签规格如下: 尺寸=长度:39mm 宽度:29mm
- (如: 客戶有特殊要求時, 則依客戶要求實施.)



备注: 如果捆包数量小于內箱捆包数量時就用內箱包裝